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FILE 'REGISTRY' ENTERED AT 10:54:29 ON 31 JAN 2003

L1 1 S GSSFLSPEAKLQPR/SQSP

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 392687-99-9 REGISTRY

CN L-Arginine, glycyl-L-seryl-O-(1-oxooctyl)-L-seryl-L-phenylalanyl-L-leucyl-L-seryl-L-prolyl-L-.alpha.-glutamyl-L-alanyl-L-lysyl-L-leucyl-L-glutamyl-L-prolyl- (9CI) (CA INDEX NAME)

GSSFLSPE

OTHER NAMES:

CN 3: PN: WO0208250 SEQID: 3 claimed protein

CN EP 00774

SQL 14

SEQ 1 GSSFLSPEAK LQPR

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HITS AT: 1-14

REFERENCE 1: 137:73541

REFERENCE 2: 136:129068

FILE 'HCAPLUS' ENTERED AT 10:55:18 ON 31 JAN 2003

L2 2 S L1

L2 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:317047 HCAPLUS

DOCUMENT NUMBER: 137:73541

TITLE: Short ghrelin peptides neither displace ghrelin binding in vitro nor stimulate GH release in vivo

AUTHOR(S): Torsello, Antonio; Ghe, Corrado; Bresciani, Elena; Catapano, Filomena; Ghigo, Ezio; Deghenghi, Romano; Locatelli, Vittorio; Muccioli, Giampiero

CORPORATE SOURCE: Department of Experimental and Environmental Medicine and Biotechnologies, University of Milano-Bicocca, Milan, Italy

SOURCE: Endocrinology (2002), 143(5), 1968-1971  
CODEN: ENDOAO; ISSN: 0013-7227

PUBLISHER: Endocrine Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Ghrelin is an acylated peptide recently isolated from rat stomach that potently stimulates GH release in vitro and in vivo in rat and man. Ghrelin specifically activates the receptor for the growth hormone secretagogues (GHS-R1a), and it has been proposed as the endogenous ligand mimicked by these synthetic compds. Very recently, it was shown in cells transfected with the GHS-R1a that short acylated peptides encompassing the first 4-5 residues of ghrelin were capable of increasing intracellular calcium almost as efficiently as the full-length ghrelin. In the present study, we demonstrate that truncated analogs of ghrelin are ineffective in stimulating GH release in neonatal rats and do not displace radiolabeled ghrelin from binding sites in membranes from human hypothalamus and pituitary. In conclusion, our data demonstrate that the ability of short ghrelins to stimulate the GHS-R1a in transfected cells is not predictive of their capability to stimulate GH secretion in vivo.

too new

09/902556

IT 392687-99-9, EP 00774

RL: BSU (Biological study, unclassified); BIOL (Biological study)  
(ghrelin short peptides neither displace ghrelin binding in vitro  
nor stimulate growth hormone release in vivo)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE  
FOR THIS RECORD. ALL CITATIONS AVAILABLE  
IN THE RE FORMAT

L2 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:90068 HCAPLUS

DOCUMENT NUMBER: 136:129068

TITLE: Ghrelin antagonist peptides

INVENTOR(S): Deghenghi, Romano

PATENT ASSIGNEE(S): Zentaris A.-G., Germany

SOURCE: PCT Int. Appl., 9 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002008250	A2	20020131	WO 2001-EP7929	20010710
WO 2002008250	A3	20020822		

W: AU, BG, BR, BY, CA, CN, CO, CZ, EE, GE, HR, HU, ID, IL, IN,  
IS, JP, KG, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG,  
SI, SK, TR, UA, UZ, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ,  
TM

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,  
NL, PT, SE, TR

US 2002187938 A1 20021212 US 2001-902556 20010710

PRIORITY APPLN. INFO.: US 2000-220178P P 20000724

OTHER SOURCE(S): MARPAT 136:129068

AB Novel peptides are disclosed having antagonistic properties to the  
Growth Hormone releasing peptide known as Ghrelin. The new peptides  
are useful in decreasing the circulating levels of Growth Hormone in  
a mammal and have therapeutic value. Peptide Gly-Ser-Ser(Octanoyl)-  
Phe, prepd. by solid phase synthesis, antagonized the effect of  
ghrelin by reducing growth hormone release in 10-day old rats.

IT 392687-99-9P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic  
preparation); THU (Therapeutic use); BIOL (Biological study); PREP  
(Preparation); USES (Uses)  
(ghrelin antagonist peptides)

FILE 'HOME' ENTERED AT 10:55:28 ON 31 JAN 2003